

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) Downhill ski having a ski body (1), which has a running surface on its under side and, on its upper side facing away from the running surface, comprises at least one upper chord element (10) which extends in the longitudinal direction of the ski body, absorbs tensile and compressive forces, and is ~~supported on~~ mounted to the ski body by its ends, wherein on the upper side of the ski body (1) there is arranged a support structure (6), on which the upper chord element (10) is ~~mounted~~ supported and which is formed from an elongate flat component (7) that is bent at intervals in alternating directions in each case at an angle to the running surface (2), ~~about~~ wherein each bend in the elongate flat component has substantially parallel axes, which extend transversely to the longitudinal direction of the ski, said support structure having a plurality of openings through which the at least one upper chord element passes in a single arc between its ends from one end of the support structure to an opposite end.

2. (Currently Amended) Downhill ski according to claim 1, characterized in that the support structure (6) has an undulating form.

3. (Currently Amended) Downhill ski according to claim 1, characterized in that the support structure (6) is made of a fiber/plastics material composite.

4. (Currently Amended) Downhill ski according to claim 1, characterized in that the support structure (6) is made of a metal sheet.

5. (Currently Amended) Downhill ski according to claim 1, characterized in that the wall thickness of the component (7) of the support structure (6) varies.

6. (Currently Amended) Downhill ski according to claim 1, characterized in that the overall height of the support structure (6) decreases from the centre of the ski toward the ends of the ski (3, 5).

7. (Currently Amended) Downhill ski according to claim 1, characterized in that the support structure (6) is formed from a plurality of components (7) lying side by side.

8. (Currently Amended) Downhill ski according to claim 1, characterized in that the angle of inclination of the portions of the support structure (6) which are inclined in relation to the running surface (2) changes from the centre of the ski toward the ends of the ski.

9. (Currently Amended) Downhill ski according to claim 1, characterized in that the upper chord element (10) comprises one or more rods or tubes made of high-strength material.

10. (Currently Amended) Downhill ski according to claim 1, characterized in that ~~the support structure (6) has openings (8) or recesses, in which the upper chord element (10) is arranged,~~ passing through the support structure is at a distance from the ski body (1).

11. (Currently Amended) Downhill ski according to claim 10, characterized in that the upper chord element (10) is supported in a sliding manner in the openings (8) or recesses of the support structure ~~(6)~~.

12. (Currently Amended) Downhill ski according to claim 1, characterized in that the support structure (6) is connected to the ski body (1) by adhesive or cohesive means and/or by mechanical means.

13. (Currently Amended) Downhill ski according to claim 1, characterized in that the support structure (6) is at least partly covered on its upper side by a thin-walled plate-shaped element ~~(11)~~.

14. (Currently Amended) Downhill ski according to claim 1, characterized in that a box-shaped casing ~~(14)~~, which encloses the support structure (6) and the upper chord element ~~(10)~~, is attached to the ski body ~~(1)~~.

15. (Currently Amended) Downhill ski according to claim 1,
characterized in that the ski body (1) is configured as a sandwich construction.